


Applicants: Prayaga et al.
U.S.S.N.: 09/732,436

Applicants also submit a Sequence Listing and incorporate this Sequence Listing into the Specification. 37 C.F.R. §§ 1.821-1.825. No new matter is added. The Applicant believes that there are no further fees due, but the Commissioner is hereby authorized to charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 15966-615 (CURA-115).

Respectfully submitted,

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Version with markings to show changes made

On page 10, amend the paragraph starting with line 13 as follows:

```
gi|547724 INTERFERON ALPHA PRECURSOR (IFN-ALPHA) (SEQ ID NO:11) aa 72-187
gi|585317 INTERFERON DELTA-1 PRECURSOR (SEQ ID NO:12) aa 71-182
gi|124502 INTERFERON OMEGA-2 PRECURSOR (INTERFERON ALPHA-II-2) (SEQ ID NO:13) aa 71-182
gi|400061 INTERFERON OMEGA-1 PRECURSOR (INTERFERON ALPHA-II-1) (SEQ ID NO:14) aa 71-182
```

On page 10, amend the first alignment starting on line 43 as follows:

```
Length = 118
Score = 97.9 bits (240), Expect = 3e-22
Query: 21 DLPKAQVISALHKMHQQIFSLFLHKGLSDAWNRAFLDKLQTGFHQLEDLETFCFGIEDGK 80
Sbjct: 13 QFQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEK 72

Query: 81 QESALEIEGPTLAIKRYFQGVHFFLKERKFRNCTWEVV 118
Sbjct: 73 EDFTRGKLMSSLHLKRYYGRIHLHYLKAKEYSHCAWTIV 110 (SEQ ID NO:25)
```

On page 11, amend the paragraph starting on line 1 as follows:

```
gi|3318960|pdb|1AU1|A Chain A, Human Interferon-Beta Crystal Structure (SEQ ID NO:16) aa 37-146
gi|2624437|pdb|1RH2|A Chain A, Recombinant Human Interferon-Alpha 2b (SEQ ID NO:17) aa 35-143
gi|124432 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:18) aa 58-167
gi|2147609 interferon-omega20 - rabbit (SEQ ID NO:19) aa 58-167
```

On page 11, amend the alignment starting on line 35 as follows:

```
Length = 194
Score = 113 bits (280), Expect = 9e-27
Query: 2 VSLLVALVMISCH-IYSLFCDLPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 60
Sbjct: 5 SSFLVALVALGCNSVCSLGCDLPQTHGLLNRRALTLLGQMRRLPASSCQKDRNDFAFPQD 64

Query: 61 XXXXXXXXKAQVISALHKMHQQIFSLFLHKGLSDA-WNRAFLDKLQTGFHQLEDLETFCF 119
Sbjct: 65 VFGGDQSHKAQALSVVHVTNQKIFHFFCTEASSAAWNNTLLEEFCTGLDRQLTRLEACV 124

Query: 120 GIEDGKQESALEIEGPT---LAIKRYFQGVHFFLKERKFRNCTWEVV---VMVKGFFLST 173
Sbjct: 125 LQVEEGEAPLTNEDIHPEDSILRNYFQRLSLYLQEKKYSPCAWEIVRAEIMRSLYYSST 184

Query: 174 KLQ 176
Sbjct: 185 ALQ 187 (SEQ ID NO:26)
```

On page 12, amend the paragraph starting on line 15 as follows:

```
gi|547724 INTERFERON ALPHA PRECURSOR (IFN-ALPHA) (SEQ ID NO:11) aa 5-187
gi|124431 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:21) aa 5-182
gi|124502 INTERFERON OMEGA-2 PRECURSOR (INTERFERON ALPHA-II-2) (SEQ ID NO:13)
aa 5-182
gi|400061 INTERFERON OMEGA-1 PRECURSOR (INTERFERON ALPHA-II-1) (SEQ ID NO:14)
aa 5-182
```

On page 13, amend the first alignment starting on line 5 as follows:

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Length = 118

Score = 97.5 bits (239), Expect = 6e-22

Query: 69 KAQVISALHKMHQQIFSLFLHKGLSDAWNRAFLDKLQTGFHQQLEDLETCFGIEDGKQES 128
Sbjct: 16 KEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDF 75

Query: 129 ALEIEGPTLAIKRYFQGVHFFLKERKFRNCTWEVV 163
Sbjct: 76 TRGKLMSSLHLKRYYGRIHLHYLKAKEYSHCAWTIV 110 (SEQ ID NO:25) 4-98

On page 13, amend the paragraph starting on line 20 as follows:

gi|3318960|pdb|1AU1|A Chain A, Human Interferon-Beta Crystal Structure (SEQ ID NO:16) aa 37-146
gi|2624437|pdb|1RH2|A Chain A, Recombinant Human Interferon-Alpha 2b (SEQ ID NO:17) aa 35-143
gi|124432 INTERFERON ALPHA-1 PRECURSOR (SEQ ID NO:18) aa 58-167
gi|2147609 interferon-omega20 - rabbit (SEQ ID NO:19) aa 58-167

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